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B2

(NEW) 13. An ultrasonic vibration apparatus according to claim 11, wherein a groove is defined by said base member, said support member and said vibration plate and wherein a vibration damping member is located in said groove.

(NEW) 14. An ultrasonic vibration apparatus according to claim 13, wherein said vibration damping member is formed of a flexible material.

(NEW) 15. An ultrasonic vibration apparatus according to claim 13, wherein said vibration damping member is formed of a softer material than said vibration plate.

(NEW) 16. An ultrasonic vibration apparatus according to claim 11, wherein said vibration plate, said support member and said cylindrical base member are integral with one another.

(NEW) 17. An ultrasonic vibration apparatus according to claim 11, wherein said vibration plate, said support member and said cylindrical base member together define a cylindrical casing closed at one end by said vibration plate.

(NEW) 18. An ultrasonic vibration apparatus according to claim 8, wherein said vibration surface is a flat, planar surface and said inner and outer regions lie in the same plane.

(NEW) 19. An ultrasonic vibration apparatus according to claim 8, further including a groove located directly below said outer region and a vibration damping member located in said groove.

(NEW) 20. An ultrasonic vibration apparatus according to claim 19, wherein said vibration damping member is formed of a flexible material.

(NEW) 21. An ultrasonic vibration apparatus according to claim 19, wherein said vibration damping member is a material which is softer than the material of said disk like vibration plate.